

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032818\
 Data File : BG033413.D
 Acq On : 29 Mar 2018 9:50
 Operator : SJ/JU
 Sample : J2064-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 29 11:42:01 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 18:34:58 2018
 Response via : Initial Calibration

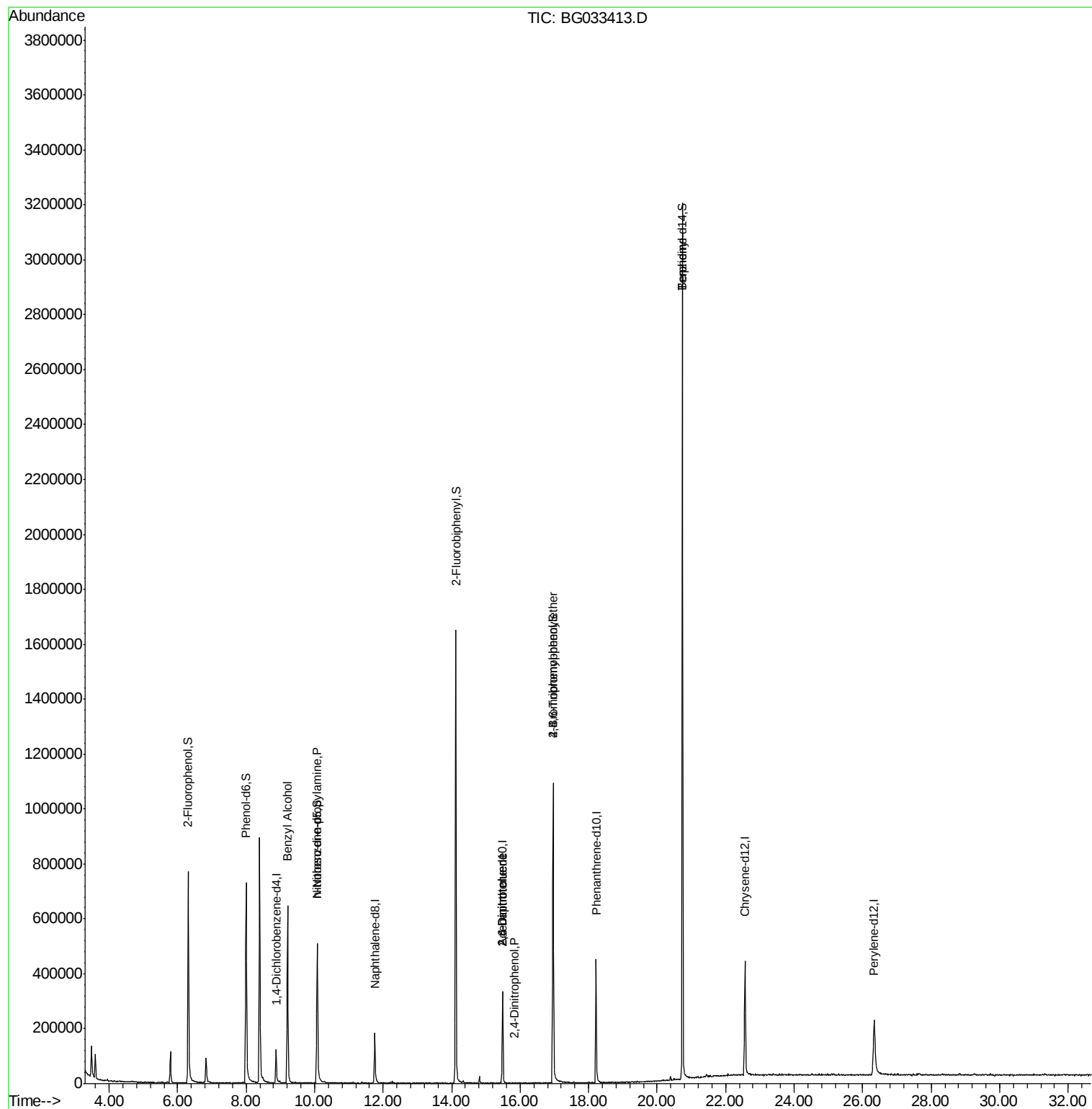
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	41760	20.00	ng	0.00
21) Naphthalene-d8	11.76	136	174622	20.00	ng	0.00
38) Acenaphthene-d10	15.49	164	129003	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	314564	20.00	ng	0.00
75) Chrysene-d12	22.56	240	327091	20.00	ng	0.00
86) Perylene-d12	26.33	264	321460	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	374239	168.04	ng	0.02
7) Phenol-d6	8.00	99	497981	130.14	ng	0.02
23) Nitrobenzene-d5	10.08	82	403384	106.13	ng	0.00
41) 2,4,6-Tribromophenol	16.96	330	234427	121.50	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	942246	105.44	ng	0.00
78) Terphenyl-d14	20.74	244	1631460	106.67	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.21	79	7253	2.407	ng	# 49
19) n-Nitroso-di-n-propylamine	10.07	70	53081	18.931	ng	# 75
50) 2,6-Dinitrotoluene	15.48	165	16417	7.152	ng	# 22
53) 2,4-Dinitrophenol	15.82	184	59	7.688	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	16417	4.857	ng	# 20
66) 4-Bromophenyl-phenylether	16.96	248	16793	4.546	ng	# 1
76) Benzidine	20.74	184	27860	3.141	ng	# 88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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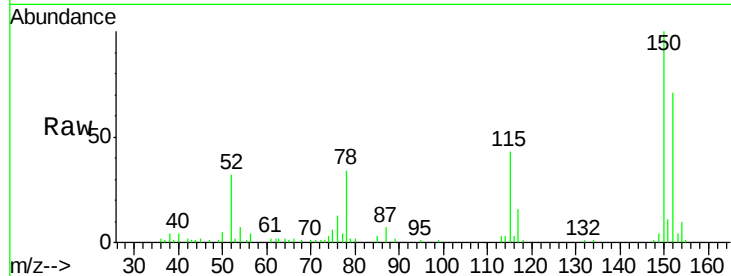


#1

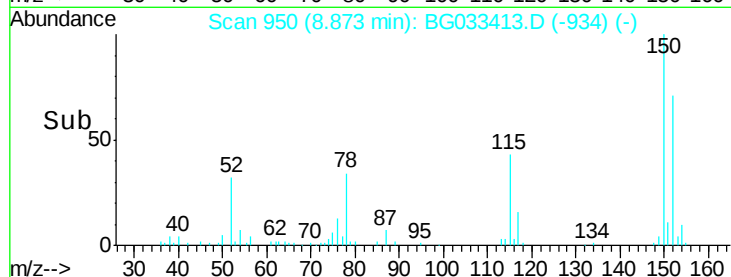
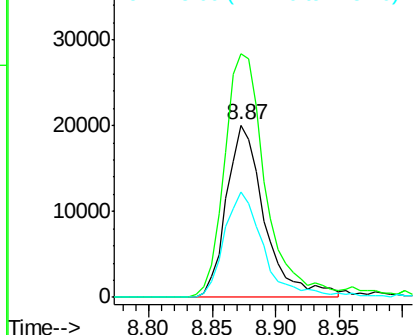
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 950
Delta R.T. -0.01 min
Lab File: BG033413.D
Acq: 29 Mar 2018 9:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.4	126.6	189.8
115	61.4	53.0	79.4



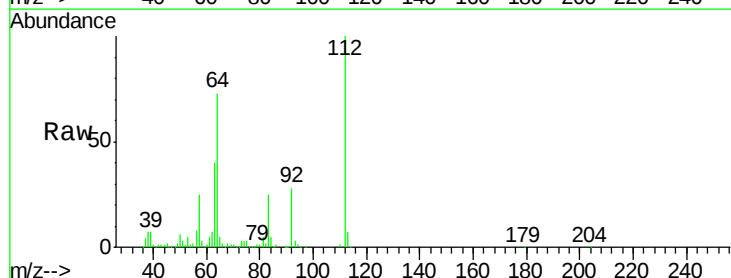
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



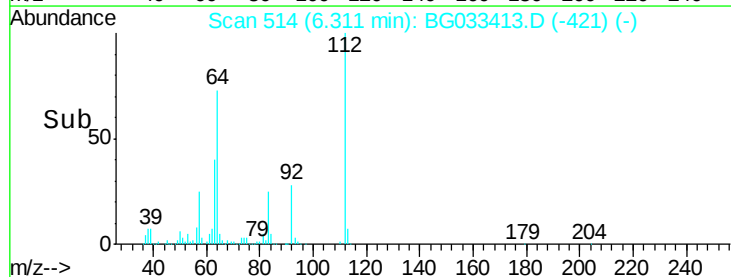
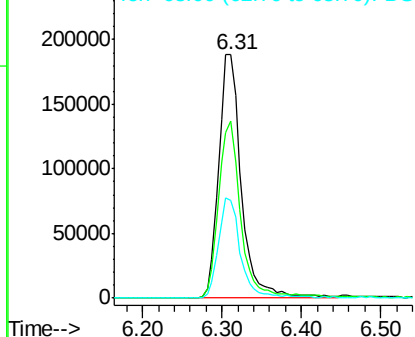
#5

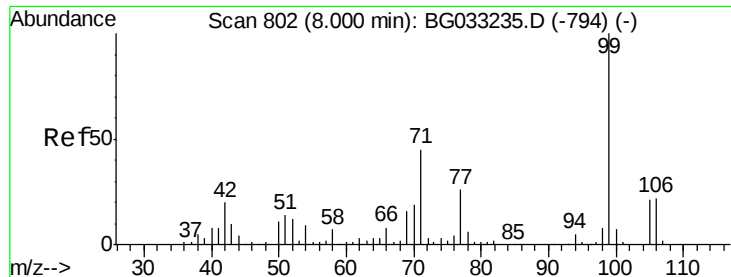
2-Fluorophenol
Concen: 168.042 ng
RT: 6.31 min Scan# 514
Delta R.T. 0.02 min
Lab File: BG033413.D
Acq: 29 Mar 2018 9:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	56.3	84.5
63	40.2	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 130.139 ng

RT: 8.00 min Scan# 801

Delta R.T. 0.02 min

Lab File: BG033413.D

Acq: 29 Mar 2018 9:50

Instrument :

BNA_G

ClientSampleId :

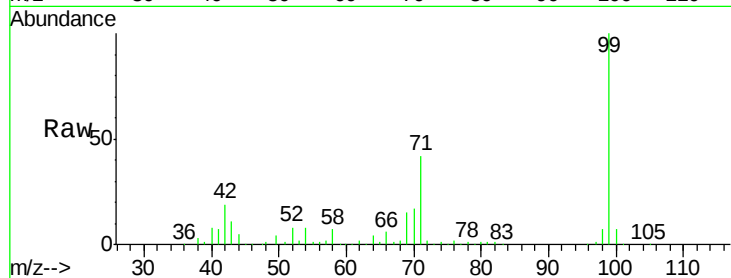
Tot Ion: 99 Resp: 497981

Ion Ratio Lower Upper

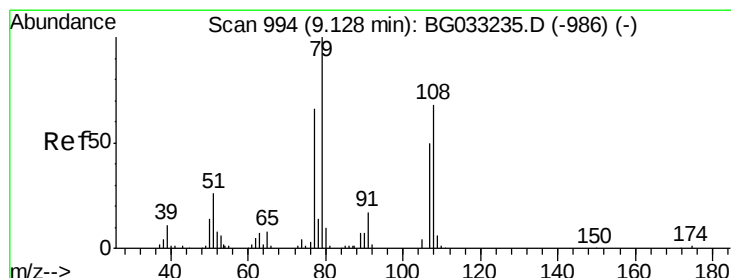
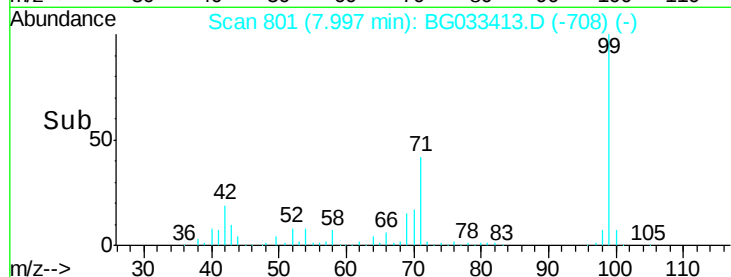
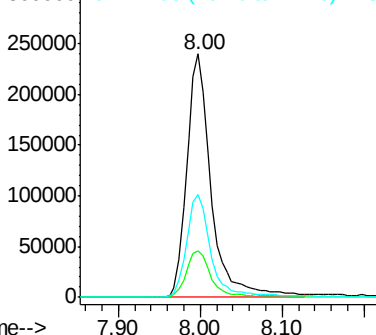
99 100

42 19.1 14.1 21.1

71 42.2 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.407 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.10 min

Lab File: BG033413.D

Acq: 29 Mar 2018 9:50

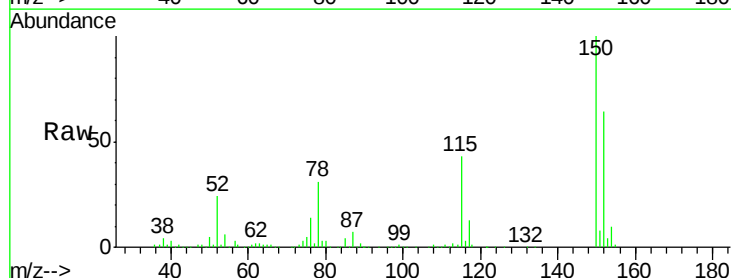
Tgt Ion: 79 Resp: 7253

Ion Ratio Lower Upper

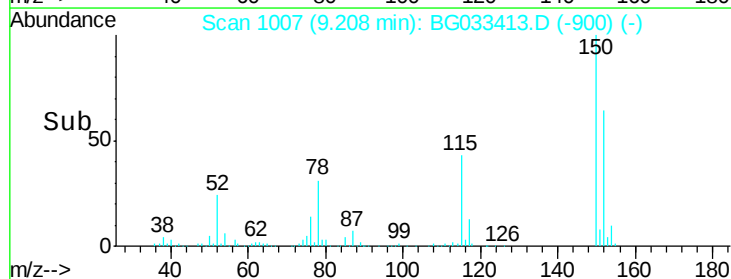
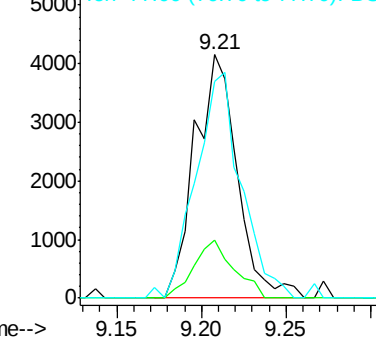
79 100

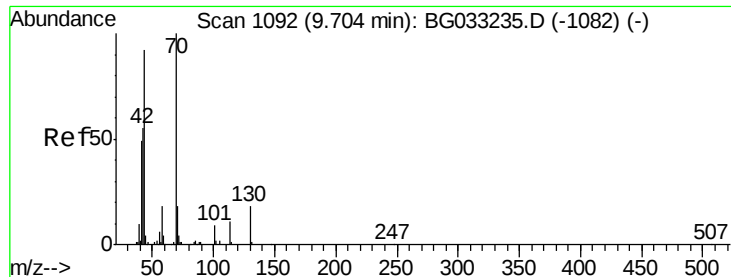
108 23.8 57.2 85.8#

77 89.0 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

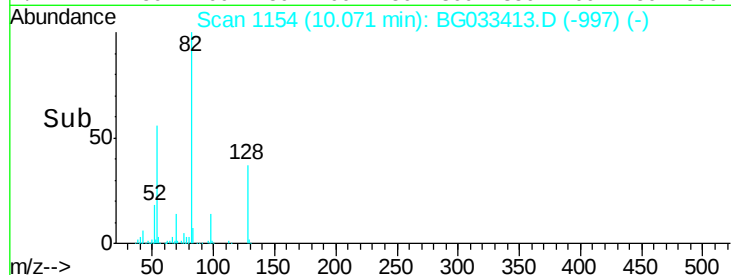
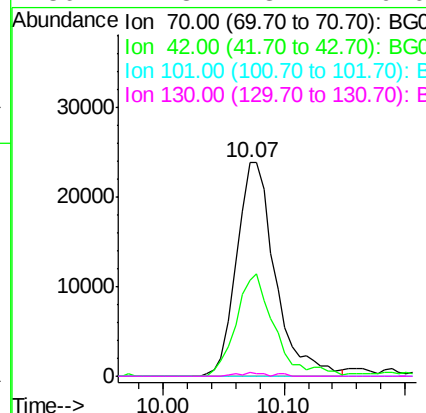
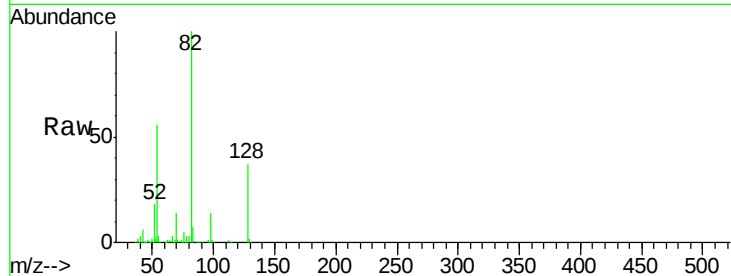




#19
n-Nitroso-di-n-propylamine
Concen: 18.931 ng
RT: 10.07 min Scan# 1154
Delta R.T. 0.39 min
Lab File: BG033413.D
Acq: 29 Mar 2018 9:50

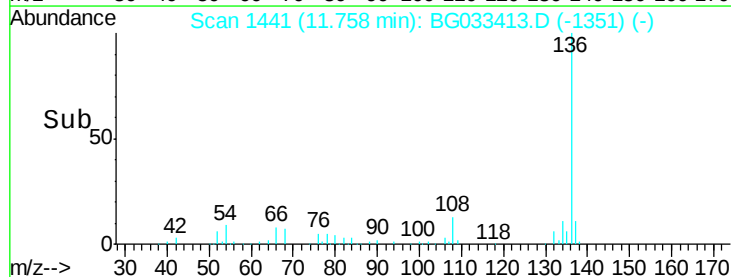
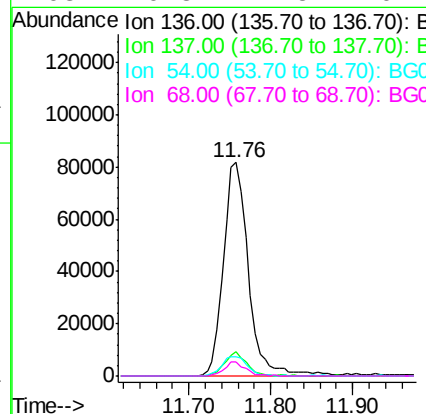
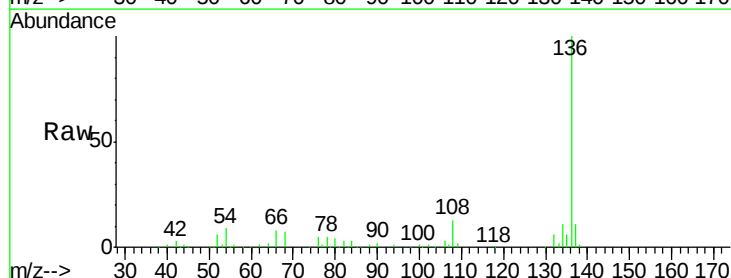
Instrument :
BNA_G
ClientSampleId :

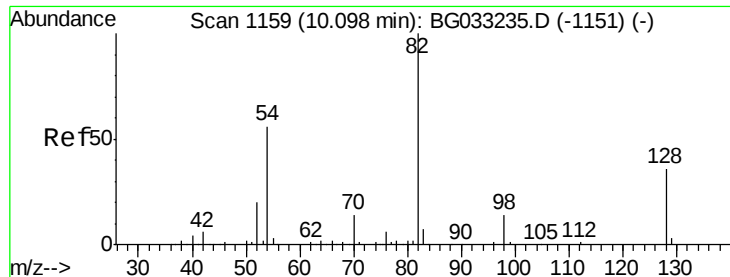
Tot Ion: 70 Resp: 53081
Ion Ratio Lower Upper
70 100
42 45.0 49.1 73.7#
101 0.0 8.5 12.7#
130 1.8 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.76 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BG033413.D
Acq: 29 Mar 2018 9:50

Tgt Ion: 136 Resp: 174622
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 8.7 10.3 15.5#
68 6.8 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 106.133 ng

RT: 10.08 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BG033413.D

Acq: 29 Mar 2018 9:50

Instrument :

BNA_G

ClientSampled :

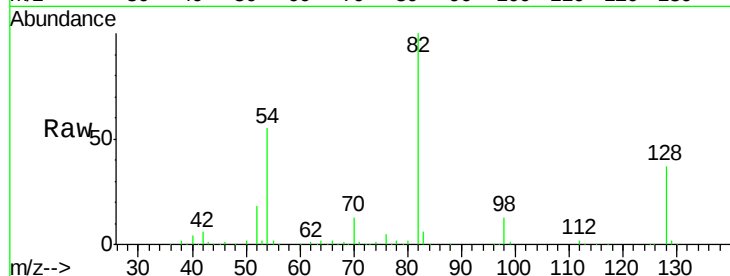
Tot Ion: 82 Resp: 403384

Ion Ratio Lower Upper

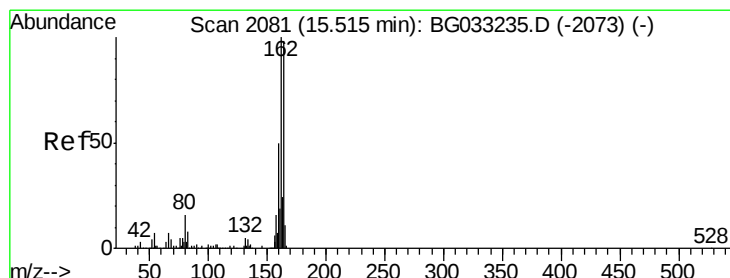
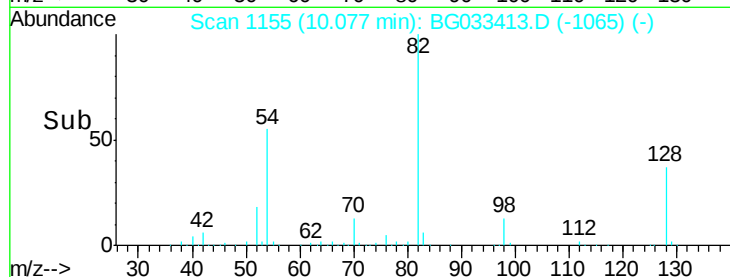
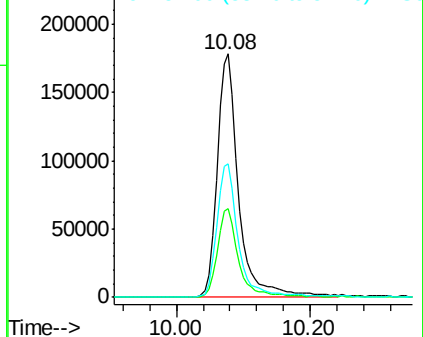
82 100

128 36.6 29.7 44.5

54 54.7 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.49 min Scan# 2076

Delta R.T. 0.00 min

Lab File: BG033413.D

Acq: 29 Mar 2018 9:50

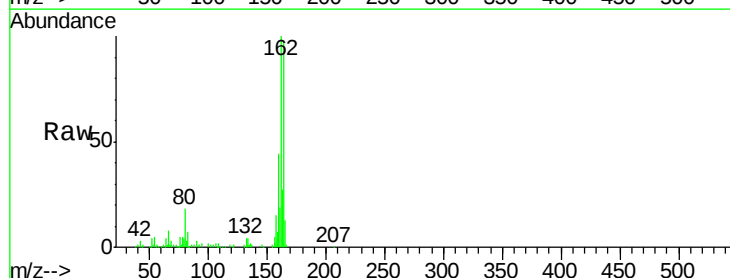
Tgt Ion:164 Resp: 129003

Ion Ratio Lower Upper

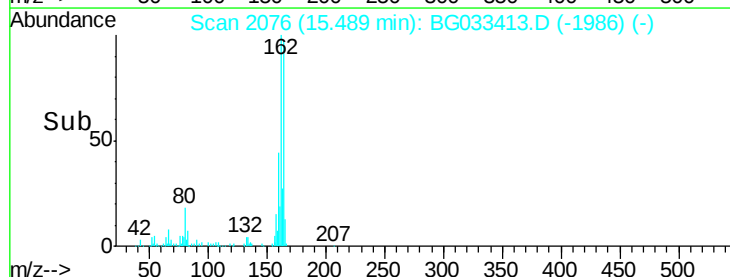
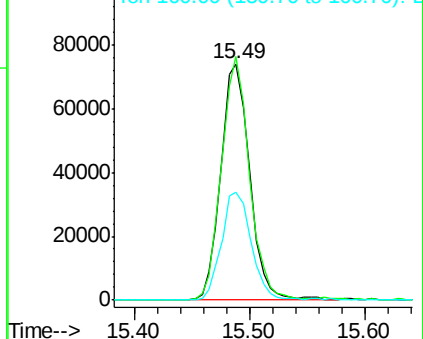
164 100

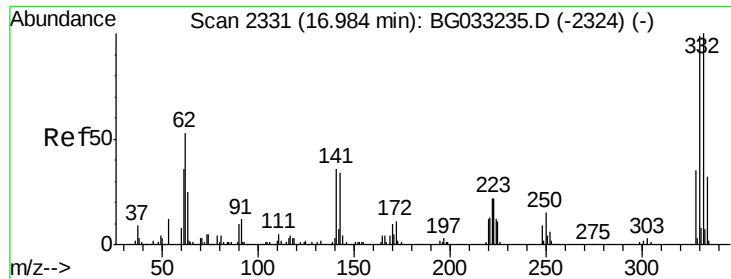
162 102.9 78.8 118.2

160 45.4 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

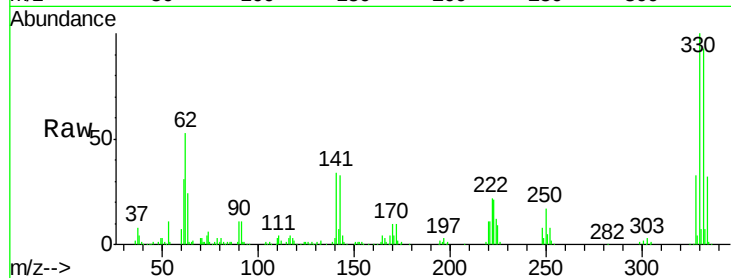




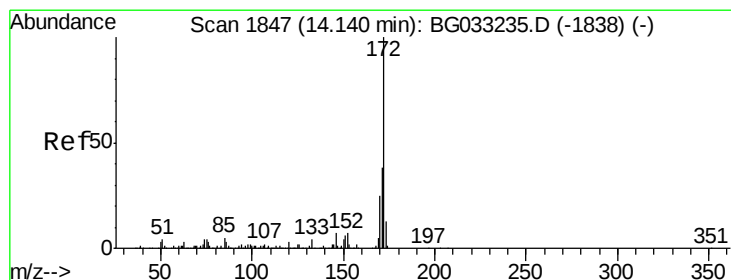
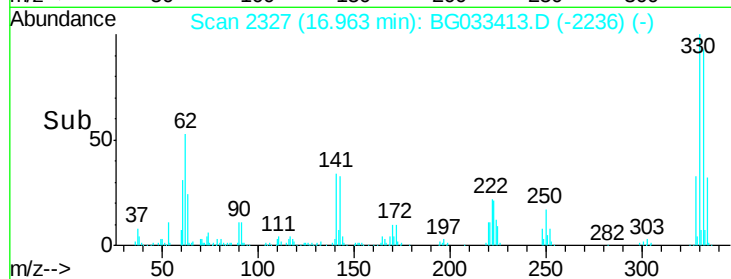
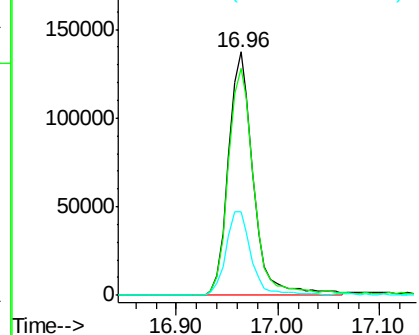
#41
 2,4,6-Tribromophenol
 Concen: 121.503 ng
 RT: 16.96 min Scan# 2327
 Delta R.T. 0.01 min
 Lab File: BG033413.D
 Acq: 29 Mar 2018 9:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	35.3	25.2	37.8

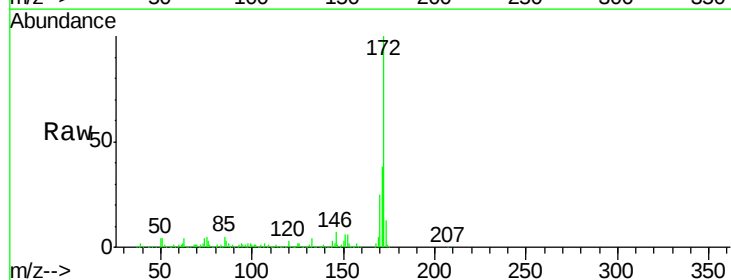


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

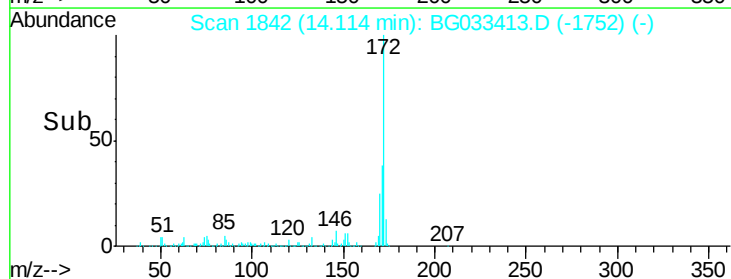
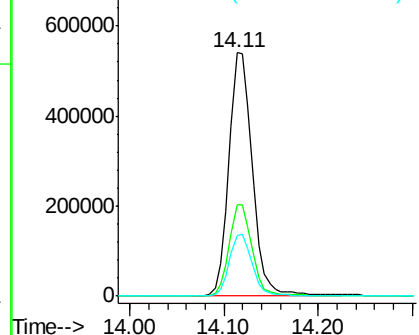


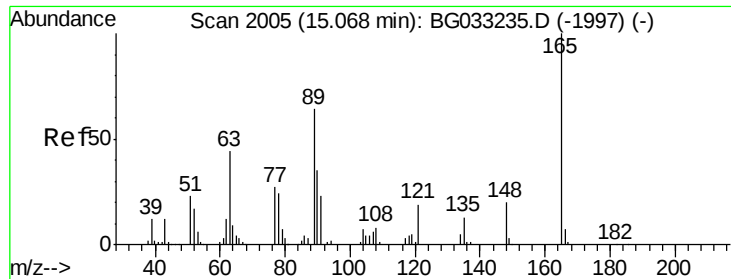
#44
 2-Fluorobiphenyl
 Concen: 105.444 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BG033413.D
 Acq: 29 Mar 2018 9:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	24.7	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

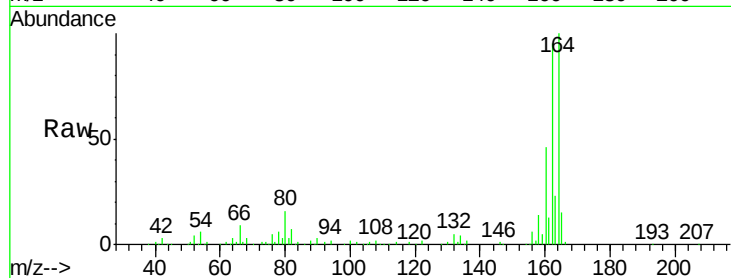




#50
 2,6-Dinitrotoluene
 Concen: 7.152 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. 0.44 min
 Lab File: BG033413.D
 Acq: 29 Mar 2018 9:50

Instrument :
 BNA_G
 ClientSampleId :

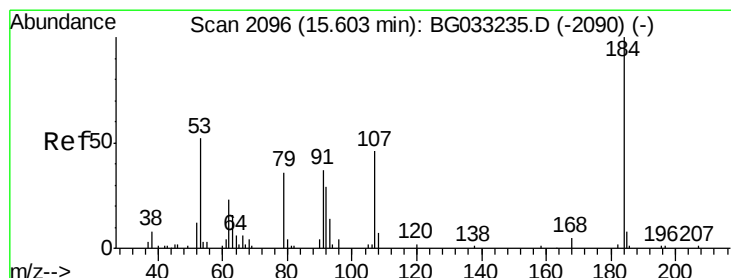
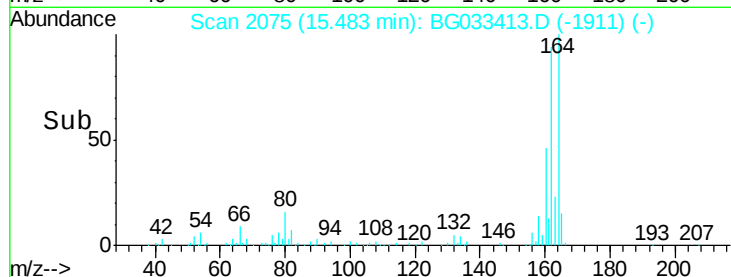
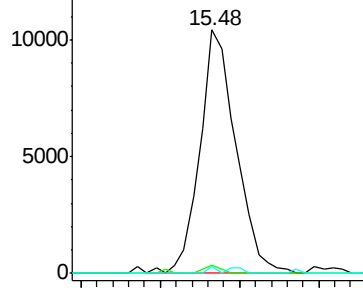
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.3	52.7	79.1#
89	2.6	49.2	73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

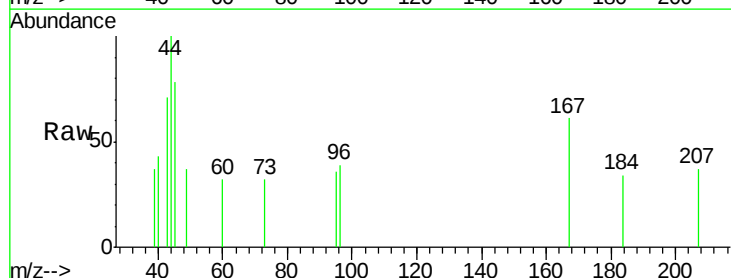
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#53
 2,4-Dinitrophenol
 Concen: 7.688 ng
 RT: 15.82 min Scan# 2132
 Delta R.T. 0.24 min
 Lab File: BG033413.D
 Acq: 29 Mar 2018 9:50

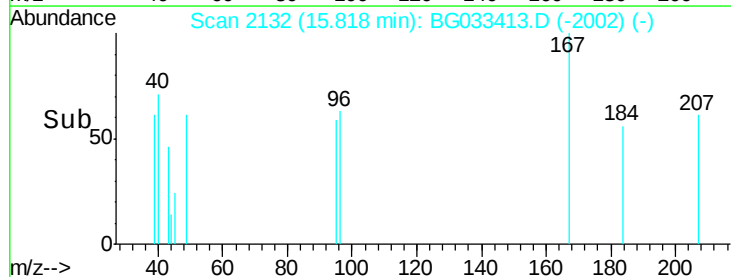
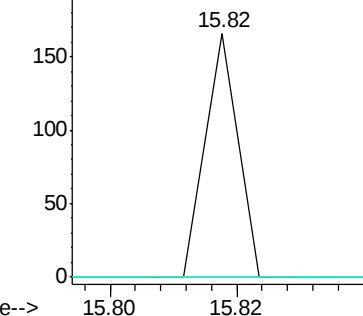
Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	59.8	89.8#
154	0.0	101.8	152.8#

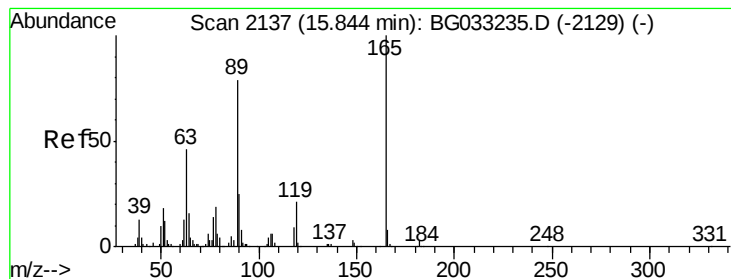


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#56

2,4-Dinitrotoluene

Concen: 4.857 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.34 min

Lab File: BG033413.D

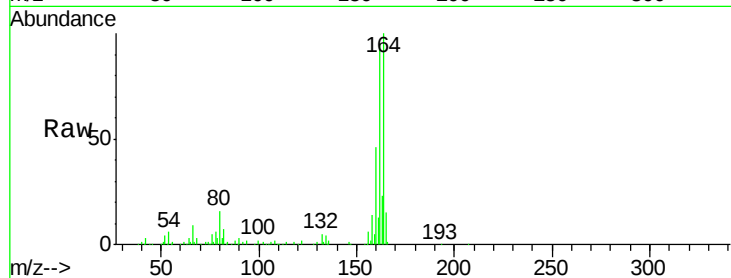
Acq: 29 Mar 2018 9:50

Instrument :

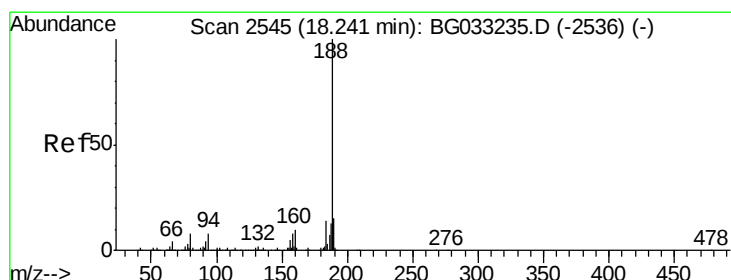
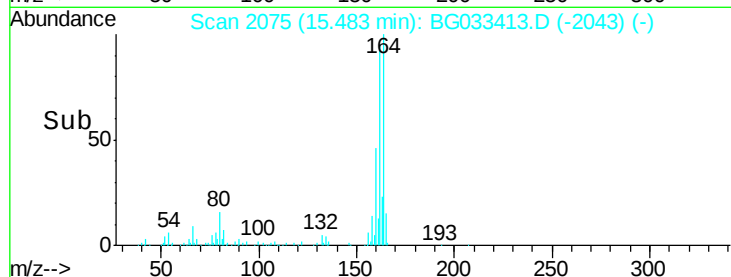
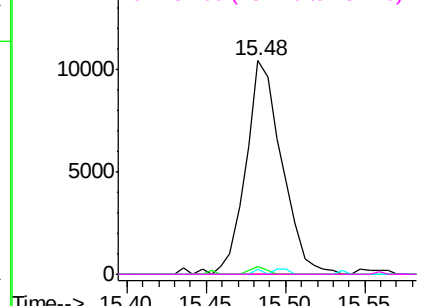
BNA_G

ClientSampleId :

Tot Ion:	165	Resp:	16417
Ion	Ratio	Lower	Upper
165	100		
63	3.3	42.0	63.0#
89	2.6	66.9	100.3#
182	0.0	2.6	3.8#



Abundance Ion 165.00 (164.70 to 165.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

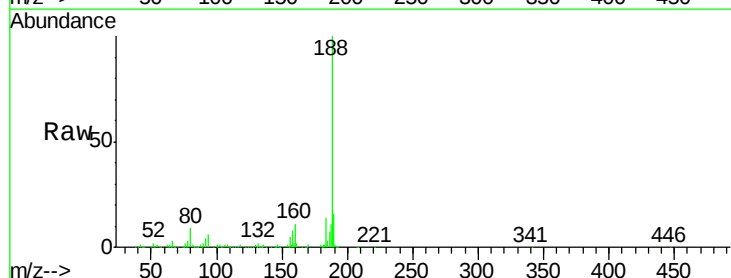
RT: 18.21 min Scan# 2540

Delta R.T. 0.00 min

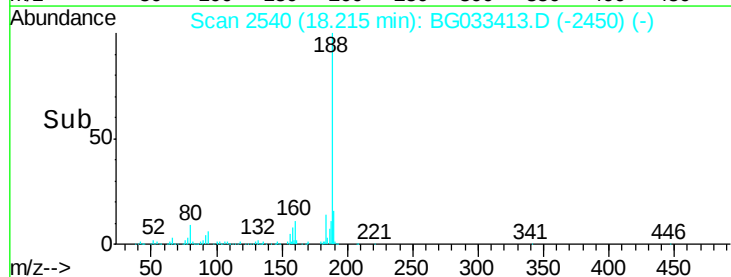
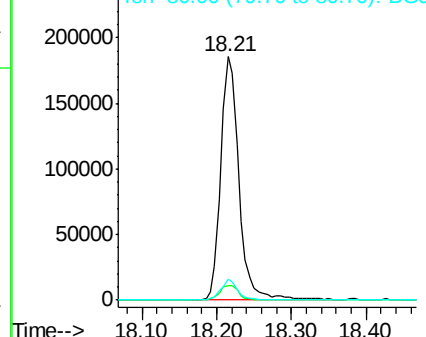
Lab File: BG033413.D

Acq: 29 Mar 2018 9:50

Tgt Ion:	188	Resp:	314564
Ion	Ratio	Lower	Upper
188	100		
94	6.0	6.9	10.3#
80	8.7	7.7	11.5



Abundance Ion 188.00 (187.70 to 188.70): E

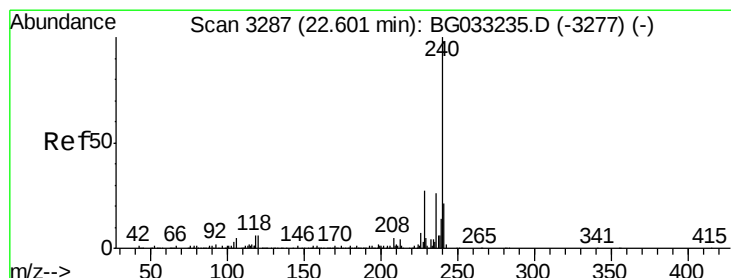
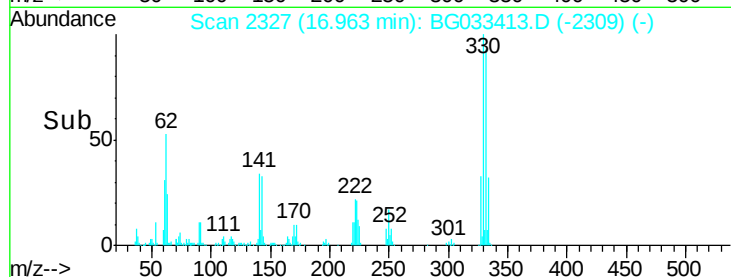
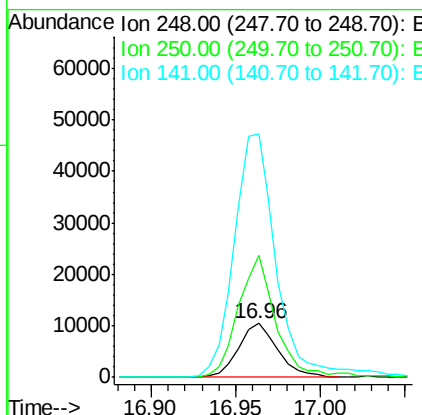
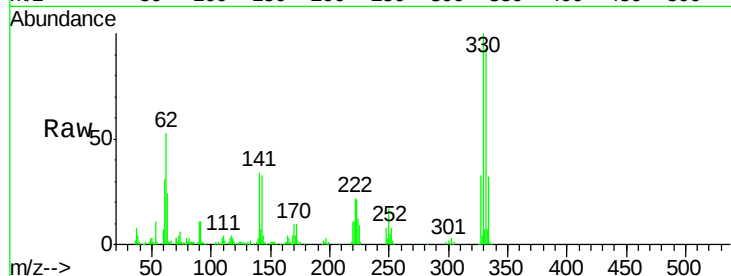




#66
4-Bromophenyl-phenylether
Concen: 4.546 ng
RT: 16.96 min Scan# 2327
Delta R.T. -0.42 min
Lab File: BG033413.D
Acq: 29 Mar 2018 9:50

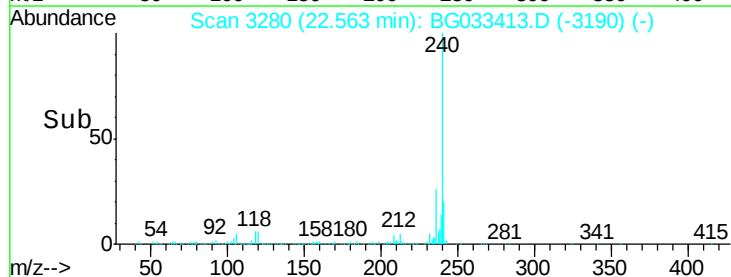
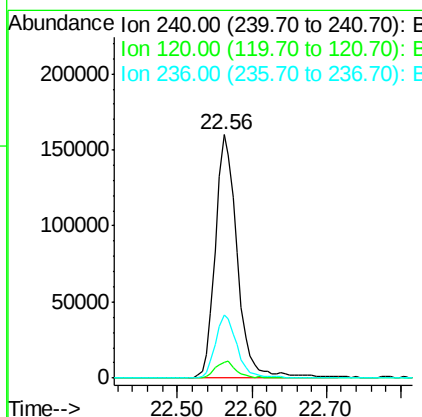
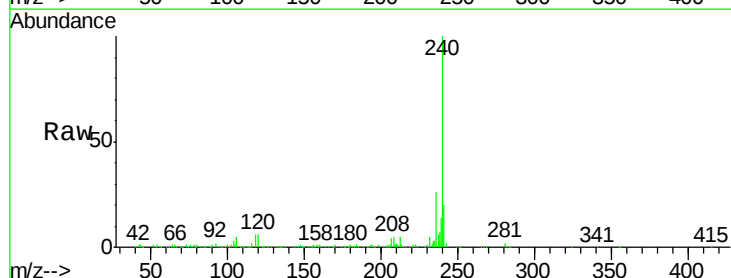
Instrument :
BNA_G
ClientSampleId :

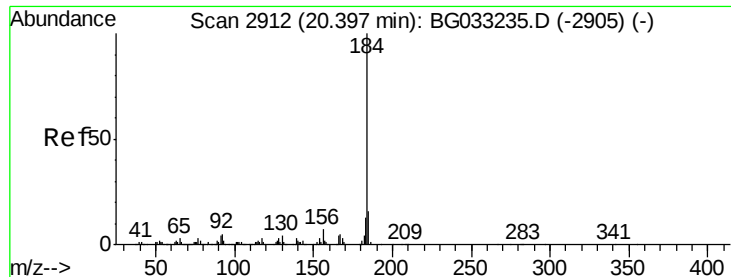
Tot Ion:248 Resp: 16793
Ion Ratio Lower Upper
248 100
250 227.7 77.1 115.7#
141 452.4 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.56 min Scan# 3280
Delta R.T. 0.00 min
Lab File: BG033413.D
Acq: 29 Mar 2018 9:50

Tgt Ion:240 Resp: 327091
Ion Ratio Lower Upper
240 100
120 6.3 6.8 10.2#
236 25.9 20.9 31.3





#76

Benzidine

Concen: 3.141 ng

RT: 20.74 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033413.D

Acq: 29 Mar 2018 9:50

Instrument :

BNA_G

ClientSampleId :

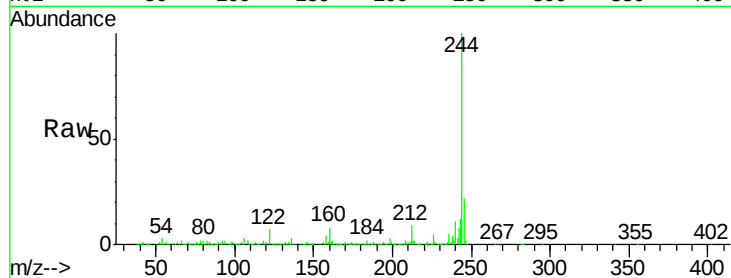
Tot Ion:184 Resp: 27860

Ion Ratio Lower Upper

184 100

185 19.2 11.1 16.7#

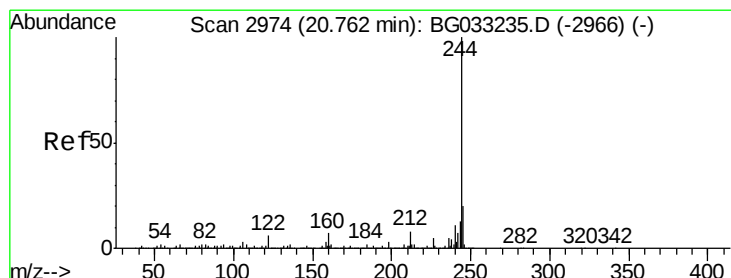
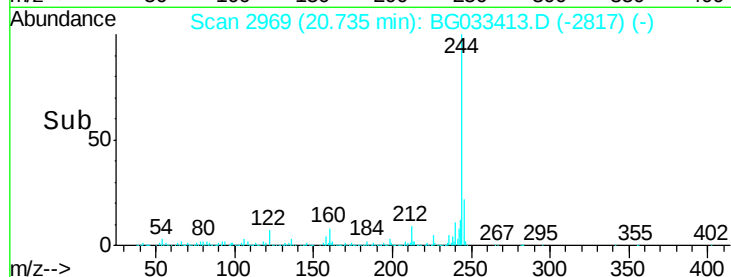
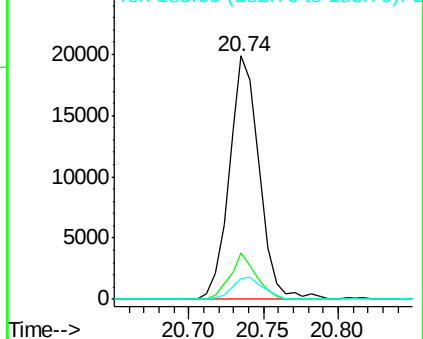
183 8.7 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 106.669 ng

RT: 20.74 min Scan# 2969

Delta R.T. 0.00 min

Lab File: BG033413.D

Acq: 29 Mar 2018 9:50

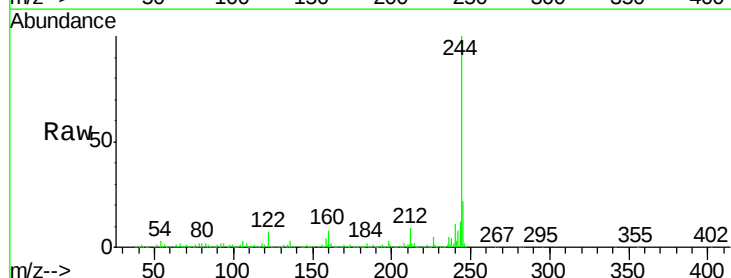
Tgt Ion:244 Resp: 1631460

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

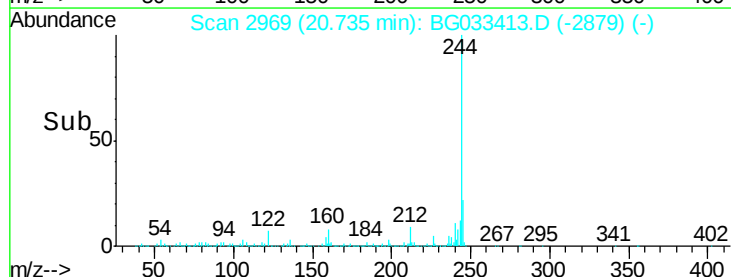
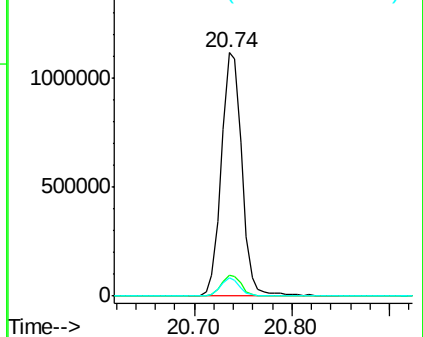
122 7.5 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.33 min Scan# 3922
 Delta R.T. 0.00 min
 Lab File: BG033413.D
 Acq: 29 Mar 2018 9:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.4	26.0
265	22.4	17.7	26.5

